ACID RAIN PROGRAM PERMIT

Ameren Energy Generating Co./Ameren Services Attn: Mr. Daniel F. Cole, Designated Representative 1901 Chouteau Avenue P.O. Box 66149, MC 07 St. Louis, Missouri 63166-6149

<u>Oris No.</u>: 6017

<u>IEPA I.D. No.</u>: 079808AAA

Source/Unit: Newton Power Station/ Units 1 and 2

Date Received: July 2, 2004 Date Issued: March 18, 2005

Effective Date: January 1, 2005 Expiration Date: December 31, 2009

STATEMENT OF BASIS:

In accordance with Titles IV and V of the Clean Air Act, the Illinois Environmental Protection Agency is issuing this Acid Rain Program Permit to Ameren Energy Generating Company for its Newton Power Station.

SULFUR DIOXIDE (SO₂) ALLOCATIONS AND NITROGEN OXIDES (NO_x) LIMITS FOR EACH AFFECTED UNIT:

	SO ₂ Allowances,	2005	2006	2007	2008	2009
UNIT 1	under Tables 2, 3, or 4 of 40 CFR Part 73*	15,625	15,625	15,625	15,625	15,625
	NO _x Limit	See Provisions for NO _x Averaging Plan, Below				elow

* Also includes return of repowering deduction of 5 allowances, which were returned by USEPA on October 30, 2000.

	SO ₂ Allowances,	2005	2006	2007	2008	2009
UNIT 2	under Tables 2, 3, or 4 of 40 CFR Part 73*	13,932	13,932	13,932	13,932	13,932
	NO _x Limit	See Provisions for NO _x Averaging Plan, Below				

* Also includes return of repowering deduction of 4 allowances, which were returned by USEPA on October 30, 2000.

NO_X EMISSIONS AVERAGING PLAN

Pursuant to 40 CFR 76.11, the Illinois EPA approves a NOx emissions averaging plan that includes the Newton Units 1 and 2, effective for calendar years 2005 through 2009 (attached). Under this plan, except as provided below, the NOx emissions of Newton Units 1 and 2 each shall not exceed the annual average alternative contemporaneous emission limitation of 0.45 lb/mmBtu.

Under this plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated during that calendar year in compliance with the applicable emission limitation under 40 CFR 76.5, 76.6, or 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then the units covered by the plan shall be deemed to be in compliance for that year with their alternative contemporaneous annual emission limitations and any annual heat input limits.

PERMIT APPLICATION: The permit application, including the NO_x Compliance Plan and NO_x Averaging Plan, is attached and incorporated as part of this permit. The owners and operators of this source must comply with the standard requirements and special provisions set forth in the application.

COMMENTS, NOTES, AND JUSTIFICATIONS: This permit contains provisions related to SO₂ emissions and requires the owners and operators to hold SO₂ allowances under the federal Acid Rain program to account for SO₂ emissions from the affected units. An allowance is a limited authorization to emit up to one ton of SO₂ during or after a specified calendar year. The transfer of allowances to and from a unit account does not necessitate a revision to the unit SO₂ allocations denoted in this permit (See 40 CFR 72.84).

This permit contains provisions related to NO_x emissions requiring the affected units to comply with applicable emission limitations for NO_x under the Acid Rain program. Pursuant to 40 CFR 76.11, the Illinois EPA is approving a NO_x emission averaging plan that includes Newton Units 1 and 2 for calendars years 2005 though 2009. In addition to the described NO_X compliance plan, Newton Units 1 and 2 shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_X compliance plan and requirements covering excess emissions.

This permit does not affect the source's responsibility to meet all other applicable local, state and federal requirements, including state requirements under 35 Ill. Adm. Code Part 217 Subpart W, which addresses NOx emissions from Newton Units 1 and 2.

If you have any questions regarding this permit, please contact Kuni Patel at 217-782-2113.

Donald E. Sutton, P.E. Manager, Permits Section

Paqe 3

Division of Air Pollution Control

DES:KP:jar

Cecilia Mijares, USEPA Region V John Justice, IEPA Region 3 cc:



Acid Rain Permit Application

This submission is: 🖸 New	Revised				
Newton Newton		State II.	ORIS Code	6017	٦

Identify the source by plant name, State, and ORIS code.

STEP 2

STEP 1

Enter the unit ID# for every affected unit at the affected source in column "a." For new units, enter the requested information in columns "c" and "d."

	b	e	ti
Unit ID¥	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Usite	New Units Monitor Certification Deading
1	Yes		
2	Yes		
	Vee		
	Yes		
	Yea		
	Vire		
	Yes		

Newton Plant Name (from Step 1)

Permit Requirements

STEP 3

Read the standard requirements

(1) The designated representative of each affected source and each affected unit at the source shall

Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and

(II) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:

(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and (ii) Have an Acid Rain Permit.

Monitoring Regulrements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides

under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another effected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous

calendar year from the unit; and
(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for culfur dioxide shall constitute a separate violation of the Act

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur

(3) An affected unit shall be subject to the requirements officer paragraph (1) of the station dioxide requirements as follows:
(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right

Newton Plant Name (from Step 1)

STEP 3, Cont'd.

Nitrogen Oxides Requirements The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:

(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

 Unless otherwise provided, the owners and operators of the source and each affected. unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting

(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

(II) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping.

the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the

requirements of the Acid Rain Program.

(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR pert 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.

(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Plant Name (from Step 1)

Step 3, Cont'd.

Liability, Cont'd

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source. apply to the owners and operators or such source and or the affected unit; at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO, averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for the designated representative. affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative

of such source or unit, shall be a separate violation of the Act

Newton

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards as Shall properties of the Act and acts.

or State Implementation Plans;
(2) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any

other provisions of the Act:

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification STEP 4

Read the certification statement. sign, and date

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I carbfy that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Daniel F. Cole	
Signatur	e Daniel 7. Ch	Date 6/30/04

Phase II NO_x Compliance Plan Football

		ormation, see instruction is: X New	re and refer to 40 C Revised	PR 78.9		
STEP 1 Indicate plant name, State, and ORIS code from HADB, if applicable	Plant Name	Newton			IL Suite	6017 Orus Code
STEP 2	Identify es applicable bottom as indicate th	ich affected Group 1 . indicate boller typ ill-fired, 'T' for tang se compliance option	and Group 2 boi e: "CB" for cell b entially fired, "V" n selected for each	ler using the boil urner, "CY" for o for vertically fire th unit.	er ID# from No ryclone, *DBW Ro, and will h	NOB, if " for dry or wat doctom.
	De I	Da 2	СМ	CA	iov	DA .
	T _{est} T	Туре Т	Туро	Туро	Туро	Туро
(a) Standard arguet average emission limitation of 0.50 Barrendte for Phase I dry bottom wall-first batters)						
(b) Standard annual gyange entrapp amission of 0.40 lb/mmitts (for Phase I tangentially first botters)					0	
(c) EPA-approved early election plan under 45 CFR 76.5 through 12/3107 (also indicate above emission smit specified in plan	ı 🗆					
(d) Standard annual average emission limitation of 0.46 in minima for Phase II ory bottom wall-fired Scillers)			П	П	П	П
(e) Standard annual average emission limitation of 0.40 favorates (see between) tangentially (see between)						
(f) Standard ennual average emission limitation of 0.66 (b) years) to cell burner collers)						
(g) Standard annual groups emission inhibition of 0.85 (b)mmStu (for cyclone bollers)						
(h) Standard annual everage emission limitation of 0.80 (b) minute (for vertically find boilers)						
(il Standard annual everage omission limitation of 0.64 (bijendou for wet bottom boilers)						
(I) NO. Averaging Plan (include NO, Averaging form)	×	X				
(k) Common stack pursuant over CRD 2 47(4)(2)(k) (check the standard entestion limitation box above for most stringer! (spitation anglicoble only with utilizing stack)		0				
(I) Common stack pursuant to CFR 75.17(a)(2)((6) with NO, Averaging (check the NO Averaging (fine loss and flashed NO, Averaging form)						

	Plant Name (hor	Newto	n		NO, C	ompliance - Page 2 Page 2 of 2
STEP 2, cont'd.	Del	Da	DM	iC#	EN .	Del
	Туре	туре	Туре	Туре	Type:	7900
(m) EPA-approved common stack appointenment method purpling to an Lark / 5, 17 [a](2)(0)(C), (a)(2)(b)(B), or (b)(, D					
in) AEL (include Phase II AEL Demonstration Pariod, Final AEL Polition, or AEL Reviews) form as appropriate)						
(a) Petition for AEL demonstration period or final AEL under review by U.S. EPA demonstration period original	· □					
(p) Repowering extension plan approved or under review	٠ 🗆					

Standard Requirements

Sectors! This source is realised to the standard requirements in 40 CFR 72 9 (consistent with 45 CFR 76 8(a))(1)50. Those requirements are listed in this source's Add Rein Permit.

Special Provisions for Early Election Units

hitrogen Oxides. A unit that is governed by an approved early election plan shall be subject to an emissions invaluation for HO, as provided under 40 CFI2 76 Bio(2) emission as provided in the CFI2 76 Bio(2) emission plan shall be fable for any violation of the calon or 40 CFI2 76 Bio 4 that unit. The owners and operations shall be liable, beginning January 1, 2003, for halfilling the obligations apposited shall be in effect only until the earlier of January 1, 2008 or January 1 of the calondar year for which a termination of the plan takes when in approved early election plan take to demonstrate compliance with the applicable ornations inflation under 40 CFI2 76 by a provided and ending December 31, 2007, the permitting authority will terminate the plan. The termination will take offert beginning January 1 of the year other the year for which there is a failure to demonstrate compliance, and the designated representative or the unit vivile or approved early election plan may terminate the claim are year prior to 2009 but may not extend a new early election plan. The designated representative of the unit vivile on approved early election plan may terminate the claim are year prior to 2009 but may not extend a new early election plan. In order to terminate the plan, the certification is to take reflect. If an early election plan is terminated any year prior to 2000, the unit shall meet beginning January 1, 2000, the applicable emissions installation for NO, for Phase II units with Group 1 believe under 40 CFI2 78.7. If an early election plan is terminated on or after 2000, the unit with Group 1 believe under 40 CFI2 78.7. If an early election plan is terminated in the plan is emination for NO, for Phase II units with Group 1 believe under 40 CFI2 78.7. If an early election plan is leminated in 140, for Phase II units with Group 1 believe under 40 CFI2 78.7.

Certification

i am authorized to make the submission on behalf of the owners and operators of the effected source or effected units for which the submission is made. I certify units partially of law that it have personally examined, and are benitted with, the statements and information submitted in this decument and all its attachments. Based on my region of these individuals with primary responsibility for obtaining the information. I certify that the statements and information are to the best of my knowledge and belief true, accounts, and complete. I am aware that there are significant penalties for submitting felial statements and information or omitting required statements and information, including the possibility of the or imprisonment.

Daniel F. Cole	
Signaro Daniel 7. Ch	Dom 6/50/64



Phase II NO_x Averaging Plan

For more information, see instructions and refer to 40 CFR 76.11

This codemication in [X] New [Revised

Page 1

Progo [of 3]

STEP 1

Identify the units participating in this participating in this averaging plan by plant name, State, and boiler IDW from NADB. In column (a), IIII in each unit's applicable emission limitation from 40 CFR 76.5, 76.6, or 76.7. In column (b), assign an afternative contemporaneous amusal emissions instation (ACEL) in blevenible to each unit. In column (c), assign an annual heat input limitation in mmBtu to each unit. Continue to page 3 if necessary.

Plant Name	State	100	Emission Limitation	(A) ACEL	(x) Annual Heat input Limi
Coffeen	IL	01	0.86	0.86	22,000,000
Coffeen	IL.	02	0.86	0.86	38,000,000
Hutsonville	IL	05	0.45	0.45	3,100,000
Hutsonville	IL	06	0.45	0.45	3,200,000
Meredosia	IL	01	0.45	0.45	1,300,000
Meredosia	IL.	02	0.45	0.45	1,300,000
Meredosia	IL.	03	0.45	0.45	1,300,000
Meredosia	IL.	04	0.45	0.45	1,300,000
Meredosin	IL.	05	0.45	0.45	12,000,000

STEP 2

Use the formula to enter the Bha-weighted annual emission rate averaged over the units if they are operated in occordance with the proposed averaging plan and the Bha-weighted annual evenge emission rate for the same units if they are operated in or the same units if ay are operated in empliance with 40 CFR i.5, 76.6, or 76.7. The emor must be lose an or equal to the

Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan Btu-weighted annual average emission rate for same units operated in compliance with 40 CFR 76.5, 76.6 or 76.7 0.607 0.607 $\frac{\sum\limits_{i=1}^{n} \ (R_{Li} \times HI_{i})}{\sum\limits_{i=1}^{n} \ ur_{i}} \qquad \qquad \frac{\sum\limits_{i=1}^{n} \ [R_{Li} \times HI_{i}]}{\sum\limits_{i=1}^{n} \ HI_{i}}$ Where, Alternative contemporarieous armust entission limitation for until til lib/mmBlu, as specified in column (b) of Step 1: Applicable emission limitation for unit i, in ExtraBlu, as specified in column (a) of Step 1; Annual heat input for unit i, in mmBlu, as specified in column (c) of Step 1; Number of units in the averaging plan HI,

Plant Name (from Step 1) Newton

NO, Averaging - Page 3

(0)

(0)

STEP 1

Continue the identification of units from Step 1. page 1, here.

Plant Name	State	ipe	Emission Limitation	All Covering Emission Limitation	Annual HeatInput Limit
Newton	II.	1	0.45	0.45	36,000,000
Newton	IL.	2	0.45	0.45	37,000,000
		0			
			-		
		-	-		

Plant Name (from Step 1) Newton

NO, Averaging - Page 2

STEP 3

Mark one of the two options and enter dates.

Х	This plan is effective for calendar year	_ through	calendar year 2009
	unless notification to terminate the plen is given.		
	Treat this plan as identical plane, each effective	for one c	alendar year for the following
	calendar years:	and	unless notification to Increinate
	one or more of these plans is given.		

STEP 4

Road the special provisions and certification, enter the name of the designated representative, and sign and date.

Special Provisions

Emission Limitations

Each affected unit in an approved averaging plan is incomplance with the Acid Rain emission limitation for NO, under the plan only if the following requirements are mot:

(i) For each unit, the unit's actual annual everage emission rate for the calendar year, in bimmittu, is less than or equal to its elementive contemporaneous emission limitation in the averaging plan, and (ii) For each unit with an attemative contemporaneous emission limitation less stringent than the applicable emission limitation in 40 CFT 7.5.5, 70.5.0 or 75.7, the actual annual heat input for the calendar year does not exceed the annual heat input limit in the averaging plan.

(b) For each unit with an attemative contemporaneous emission limitation more stringent than the applicable emission limitation in 40 CFT 7.5.5, 76.5, or 78.7, the actual annual heat input for the calendar year is not less than the applicable in the contemporal plant.

emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year is not less than the annual heat input limit in the averaging plan, or (fill foncer more of the units does not meet the equirements of (i), the designisted representative shall demonstrate, in accordance with 40 CFR 76.11(d)(1)(ii)(4) and (8), that the actual But weighted annual average emission rate for the units in the plan is tess than or equal to the 8tu weighted annual average rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations in 40 CFR 76.2, 76.6, or 76.7. (ii) If there is a successful group showing of compliance under 40 CFR 76.11(d)(1)(ii)(A) and (B) for a calendar year, then all units in the averaging plan shall be deemed to be in compliance for that year with their elementive contemporaneous emission limitations and annual heat input limits under (i).

Liability

The owners and operators of a unit governed by an approved averaging plan shall be liable for any violation of the plan or this section at their unitor any other unit in the plan, including liability for fulfilling the obligations specified in part 77 of this chapter and sections 113 and 411 of the Act.

Termination

The designated representative may submit a notification to terminate an approved averaging plan, in accordance with 40 CFR 72.40(d), no later than October 1 of the calendar year for which the plan is

Certification

I amouthorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquity of those inchitable with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are only when it penaltics for submitting folse statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Daniel F. Cole	
Signature Devil 7.CL	Date 660 by